

## **LEAD TECHNOLOGIST**

### **DISTINGUISHING FEATURES**

The fundamental reason the Lead Technologist position exists is to assume the responsibility for the daily administration and support of the Unix network infrastructure. Work is performed under general supervision from the Telecommunications Director.

### **ESSENTIAL FUNCTIONS**

Ensures nightly back ups and performs file and program recovery for data integrity on the Unix network.

Monitors system for security of unauthorized activities.

Tracks servers for usage and growth of resources in memory and disk and processing.

Investigate and implement new tools to assist them and customers in their daily activities.

Assist in planning and implementing City-wide Unix computing standards.

Assist customers in meeting their business needs through the application of technology.

Assists in Unix based bid specifications of new equipment purchases.

Evaluates and makes recommendation on new methodologies or implementation strategies.

### **MINIMUM QUALIFICATIONS**

#### **Knowledge, Skills and Abilities:**

##### Knowledge of:

Unix Platform

Standard Unix tools and applications including NFS, FTP, and Telnet applications, and shell scripting.

Research methods and techniques.

Design specification development.

Data communications security and privacy techniques.

Principles of business system analysis, including the analysis of procedures, equipment, and methods.

I.S. processes, regulations, codes, ordinances and terminology.

Thorough working knowledge of MS Windows, UNIX, and TCP/IP network environments.

##### Ability to:

Analyze, interpret, and present research findings.

Analyze specifications and instructions to develop appropriate systems and programs.

Prepare design specifications.

Conceive a variety of solutions to functional problems and to reduce abstract ideas to easily understood procedures.

Understand database organization access and retrieval technique.

Debug new and existing programs.

**Education & Experience**

Requires a degree in Computer Information Systems or a related field and four years experience in Unix system administration in a networked environment. This position requires experience in the use of standard Unix tools and applications such as NFS, FTP, Telnet and shell scripting.

FLSA Status: Exempt

HR Ordinance Status: Unclassified